



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smart phone

Test Model: Smooth 5.5 Max

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



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A.1 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.852	2401.556	2402.408	---	---
		2441	0.864	2440.547	2441.411	---	---
		2480	0.861	2479.550	2480.411	---	---
2DH5	Ant1	2402	1.290	2401.358	2402.648	---	---
		2441	1.275	2440.364	2441.639	---	---
		2480	1.278	2479.361	2480.639	---	---
3DH5	Ant1	2402	1.278	2401.352	2402.630	---	---
		2441	1.299	2440.346	2441.645	---	---
		2480	1.269	2479.355	2480.624	---	---



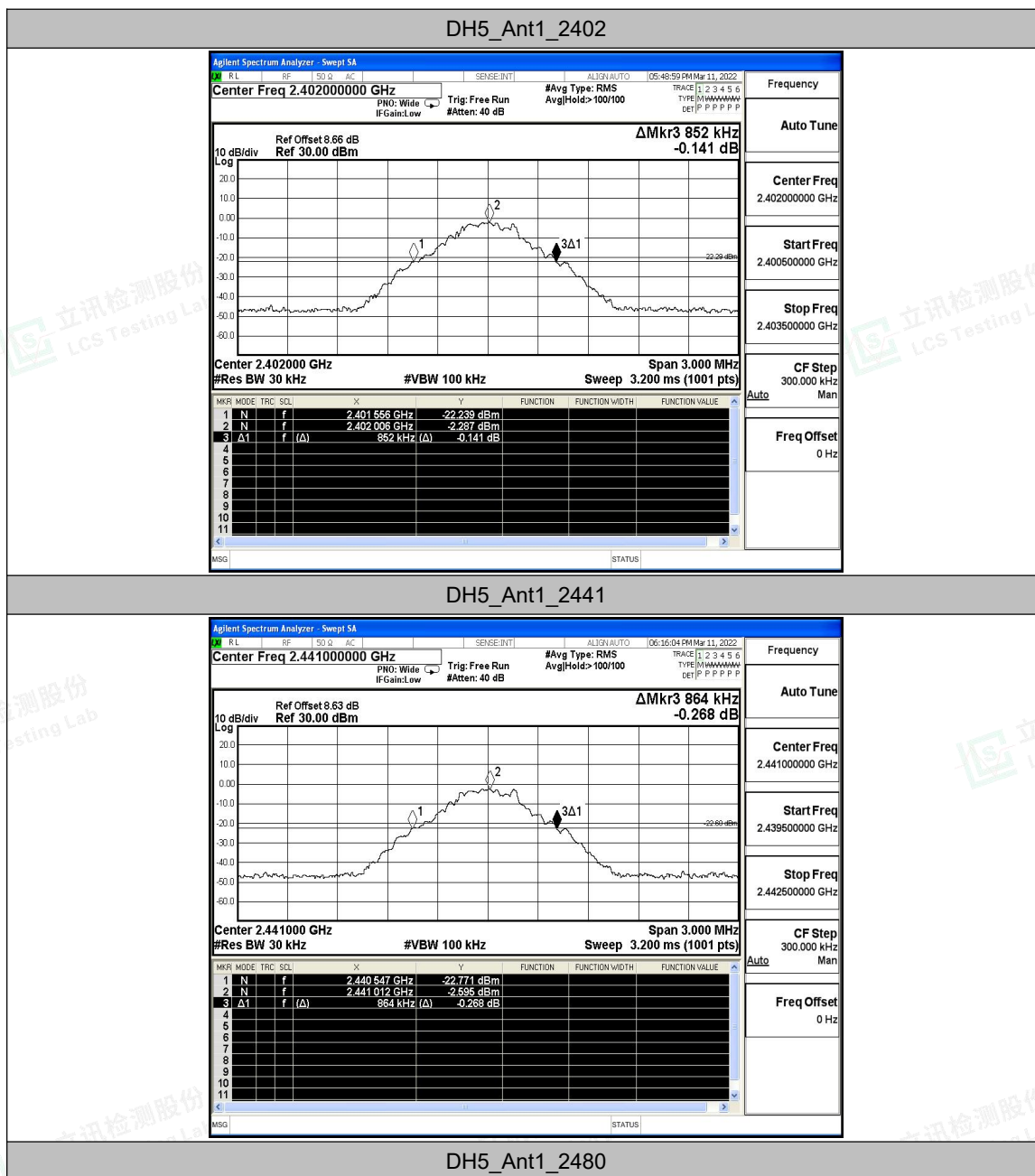
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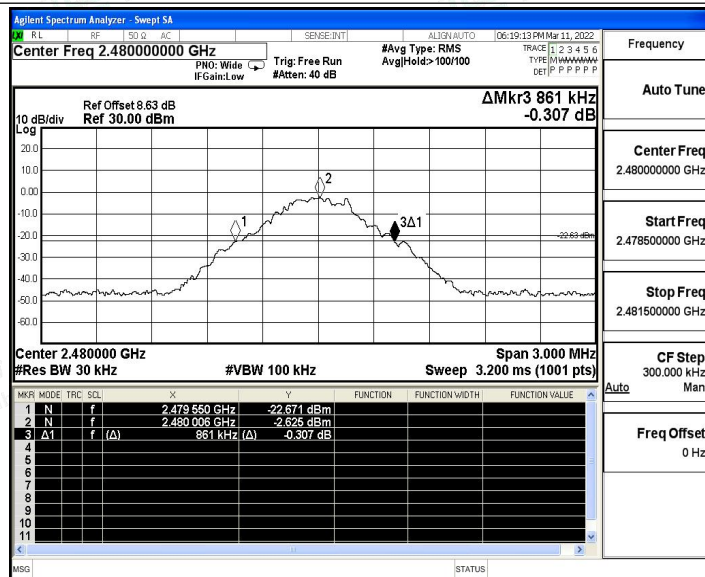
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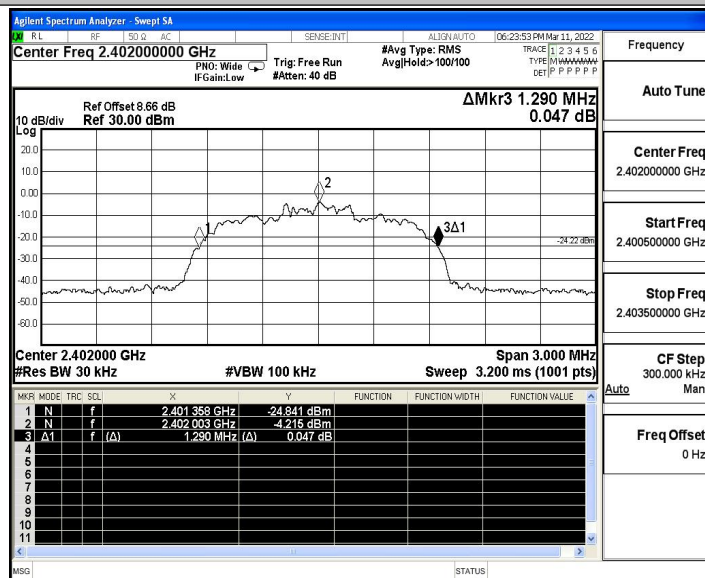
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Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441

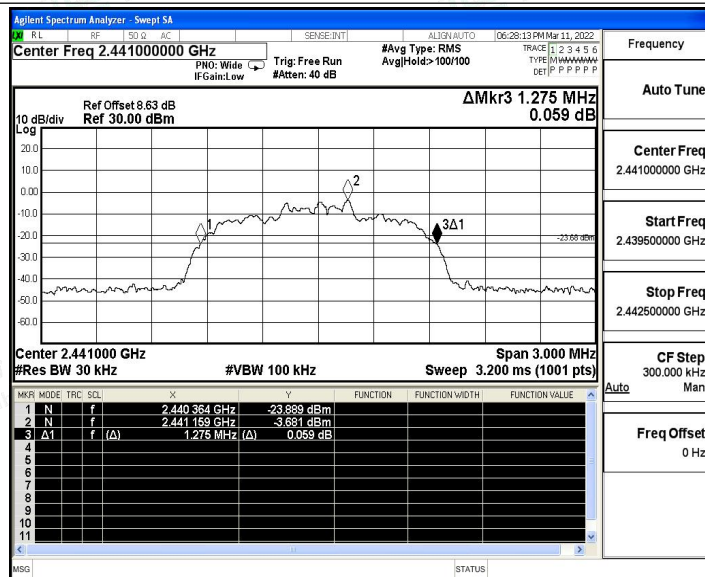


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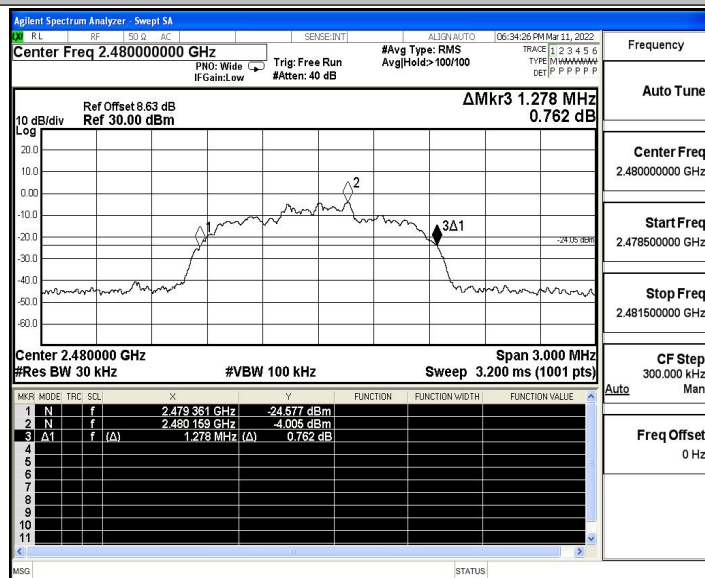
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2DH5_Ant1_2480



3DH5_Ant1_2402

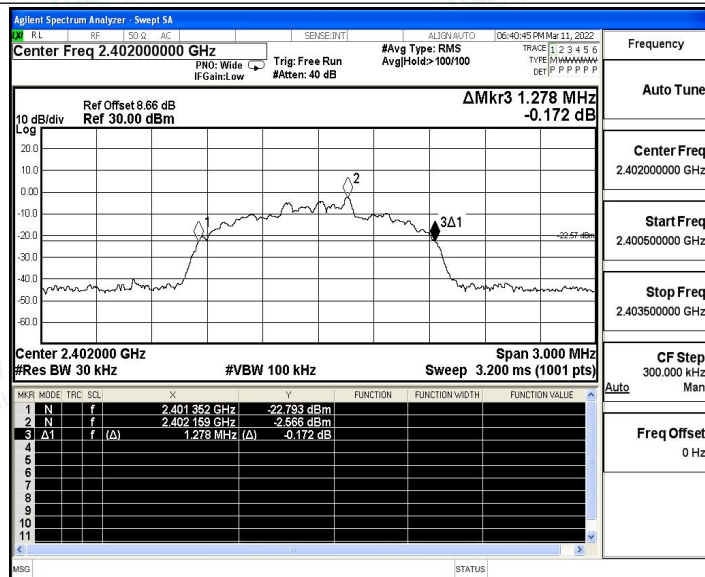


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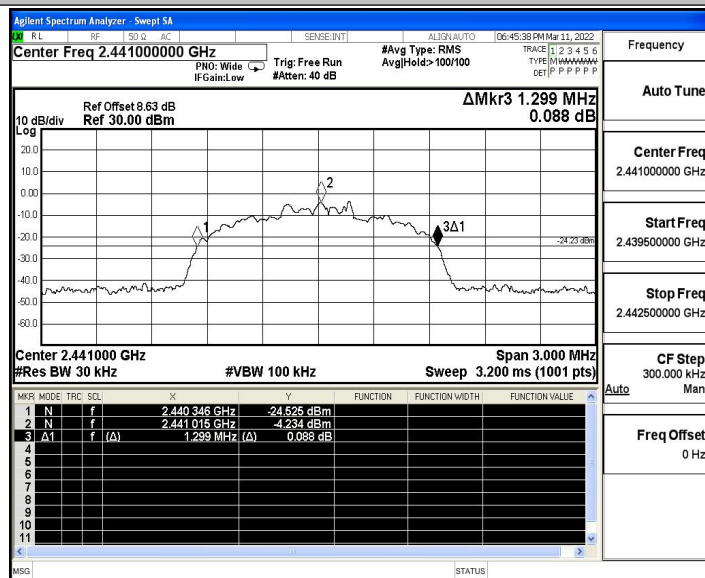
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3DH5_Ant1_2441



3DH5_Ant1_2480

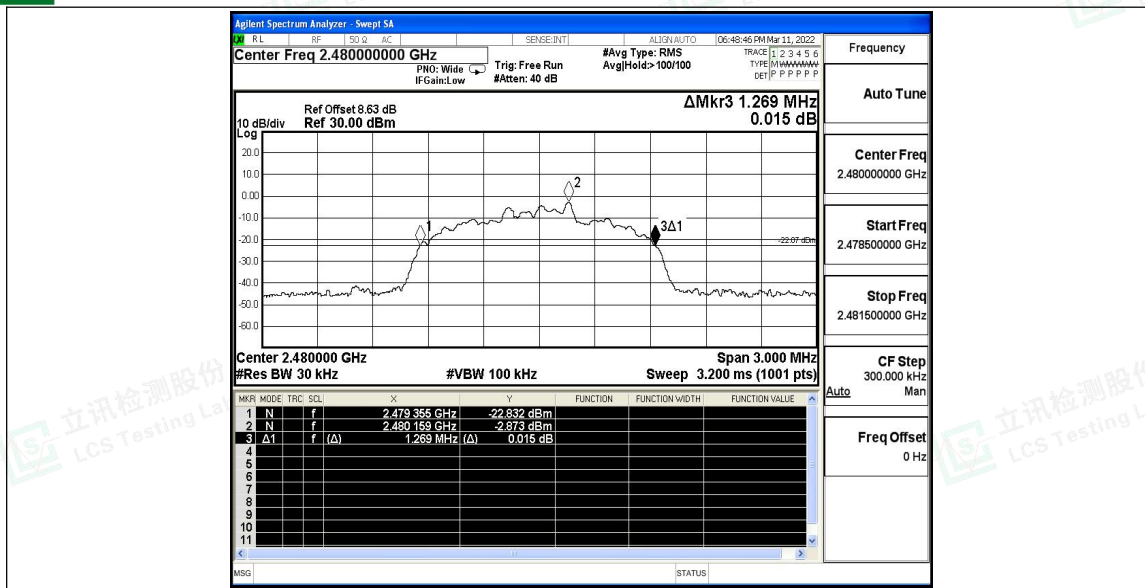


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A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.6	≤20.97	PASS
		2441	0.45	≤20.97	PASS
		2480	0.35	≤20.97	PASS
2DH5	Ant1	2402	0.12	≤20.97	PASS
		2441	-0.37	≤20.97	PASS
		2480	-0.27	≤20.97	PASS
3DH5	Ant1	2402	0.37	≤20.97	PASS
		2441	-0.05	≤20.97	PASS
		2480	-0.07	≤20.97	PASS



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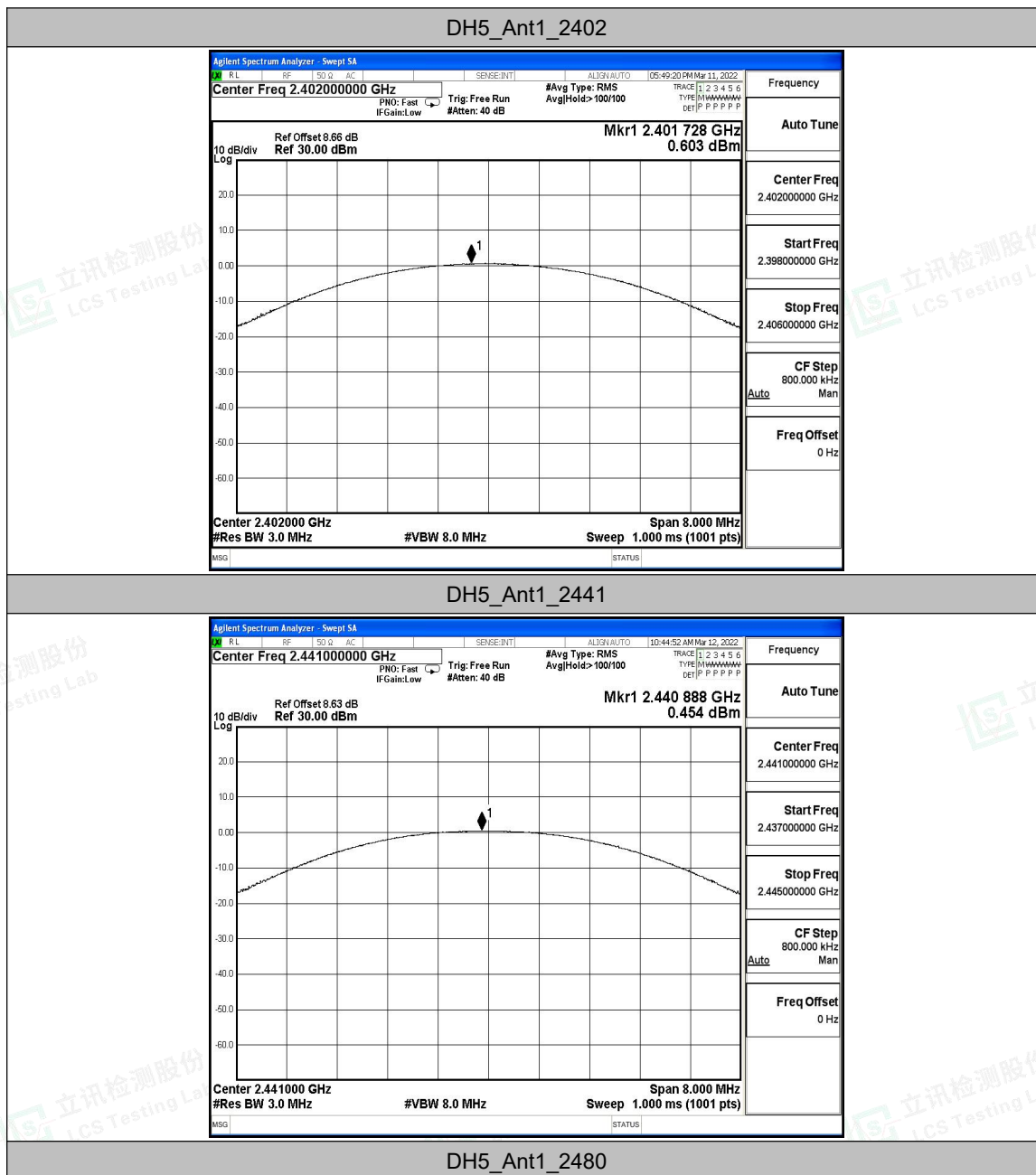
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Test Graphs

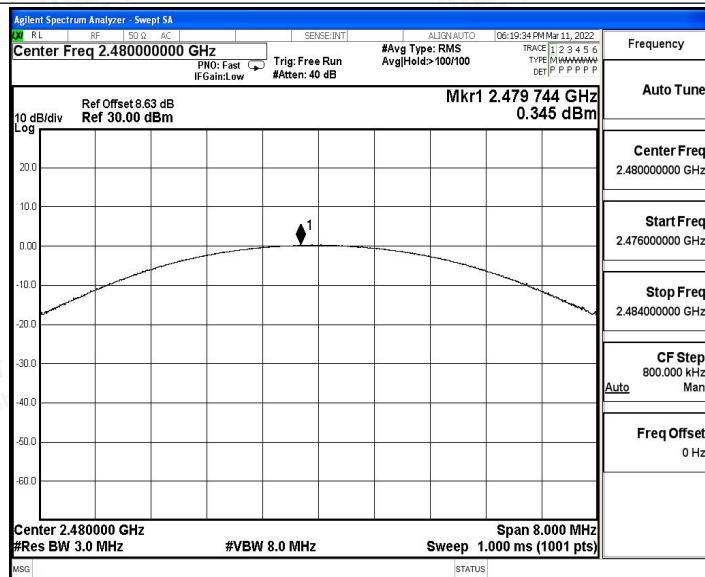


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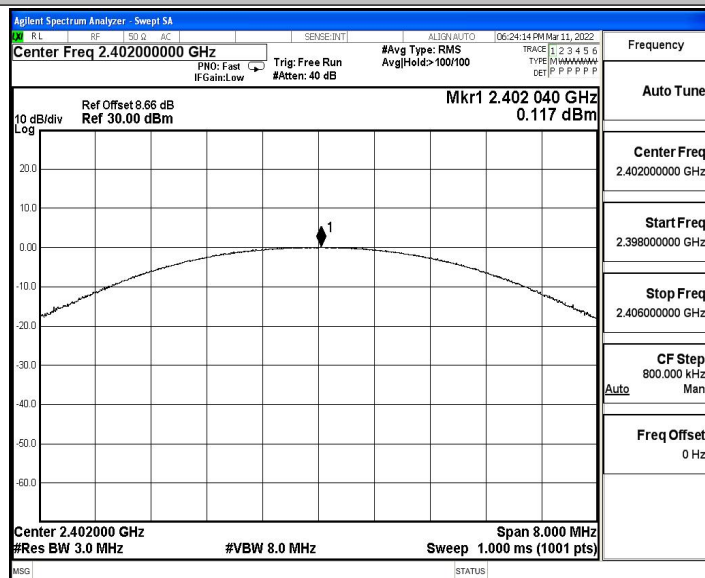
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2DH5_Ant1_2402



2DH5_Ant1_2441

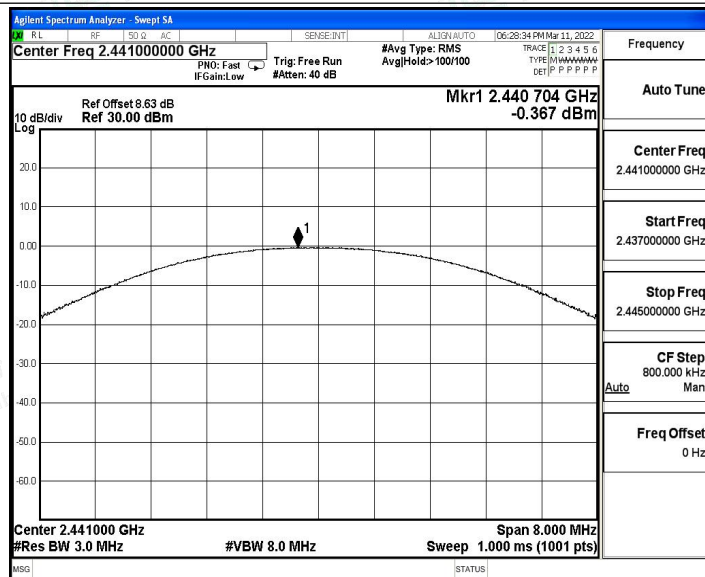


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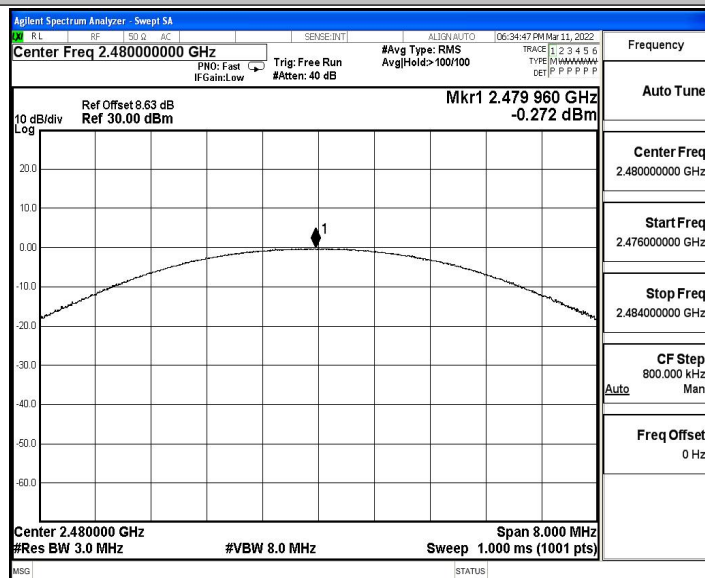
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2DH5_Ant1_2480



3DH5_Ant1_2402

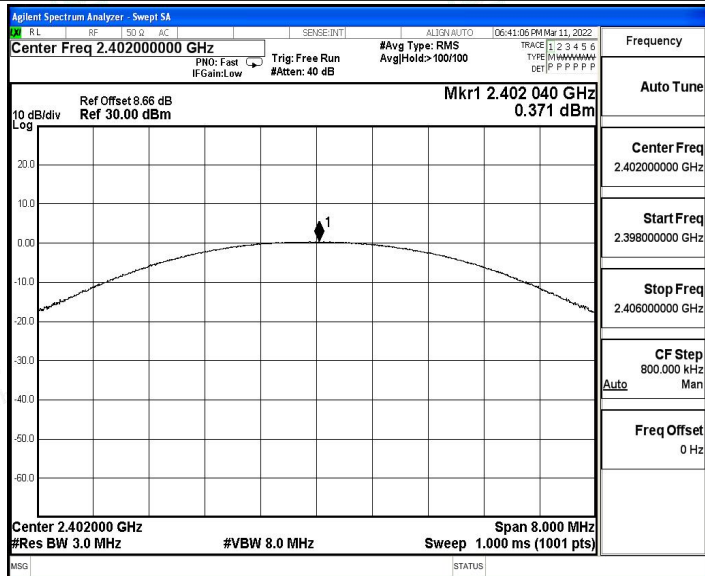


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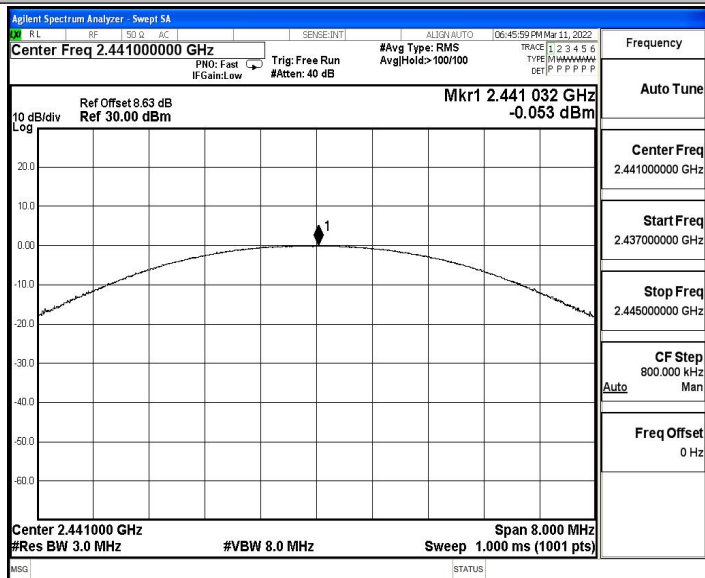
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3DH5_Ant1_2441



3DH5_Ant1_2480

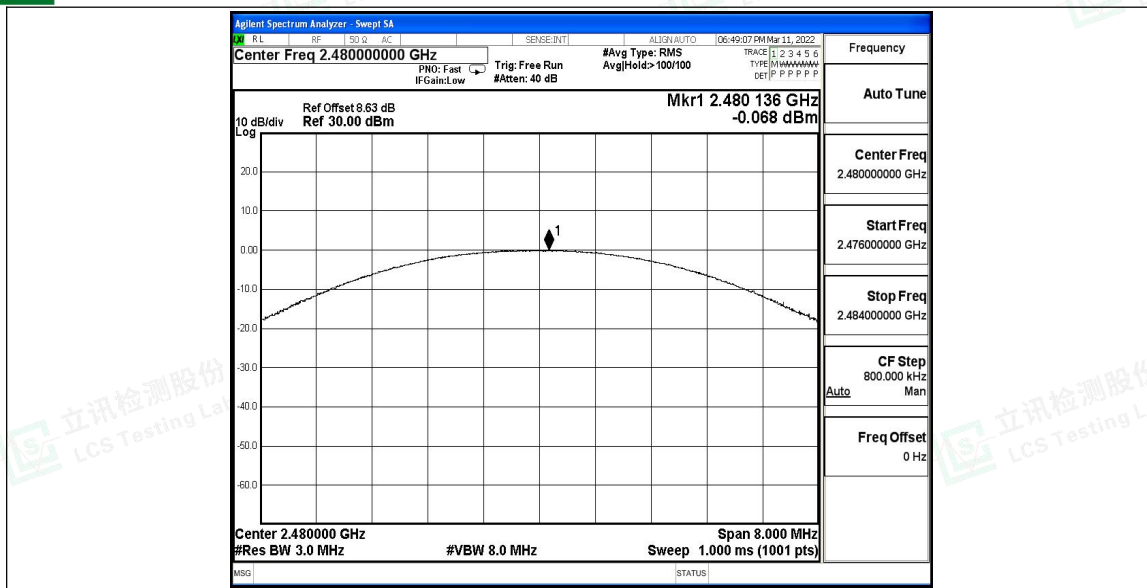


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A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.924	≥ 0.864	PASS
2DH5	Ant1	Hop	1.22	≥ 0.860	PASS
3DH5	Ant1	Hop	1.178	≥ 0.866	PASS



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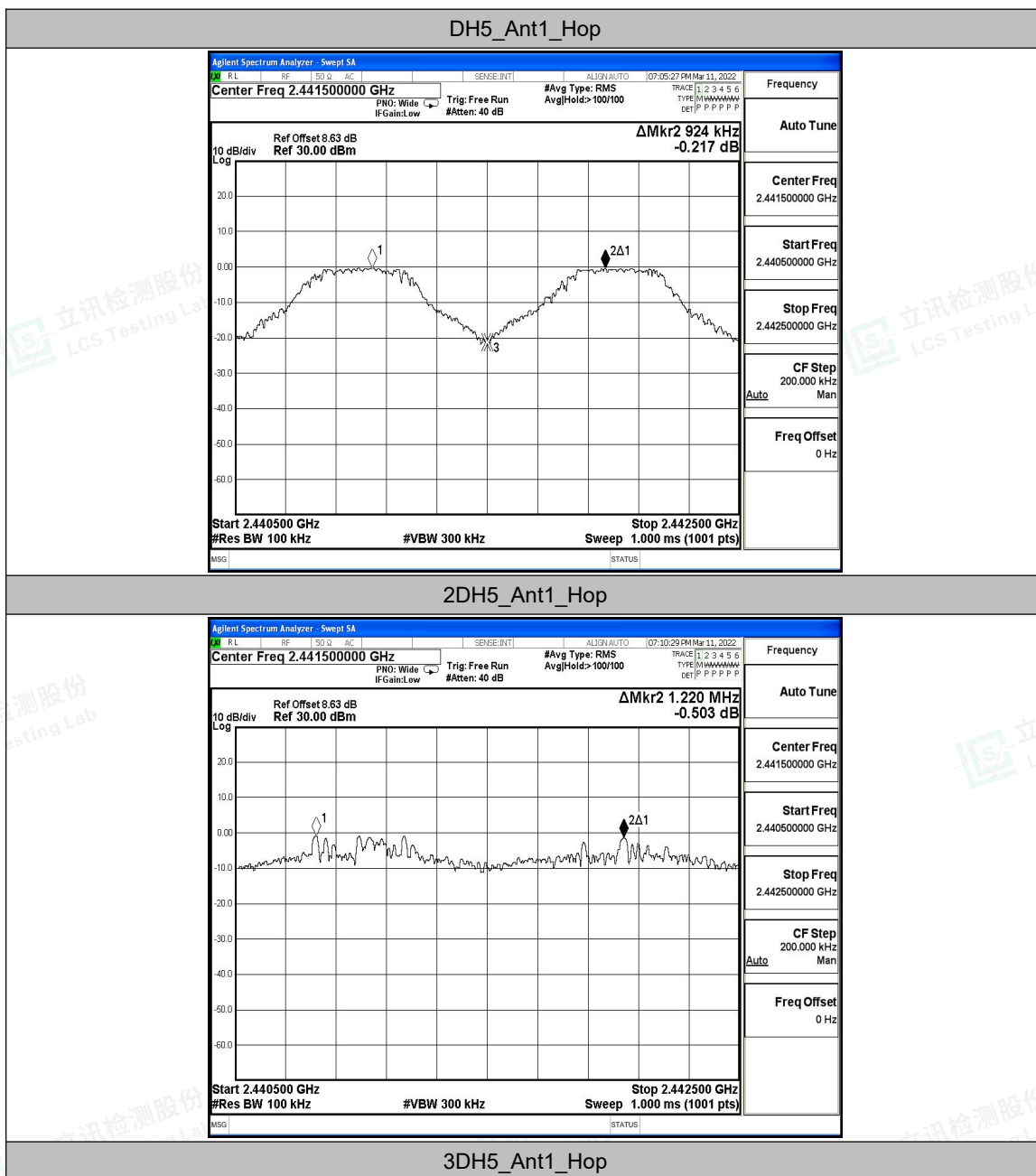
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Test Graphs

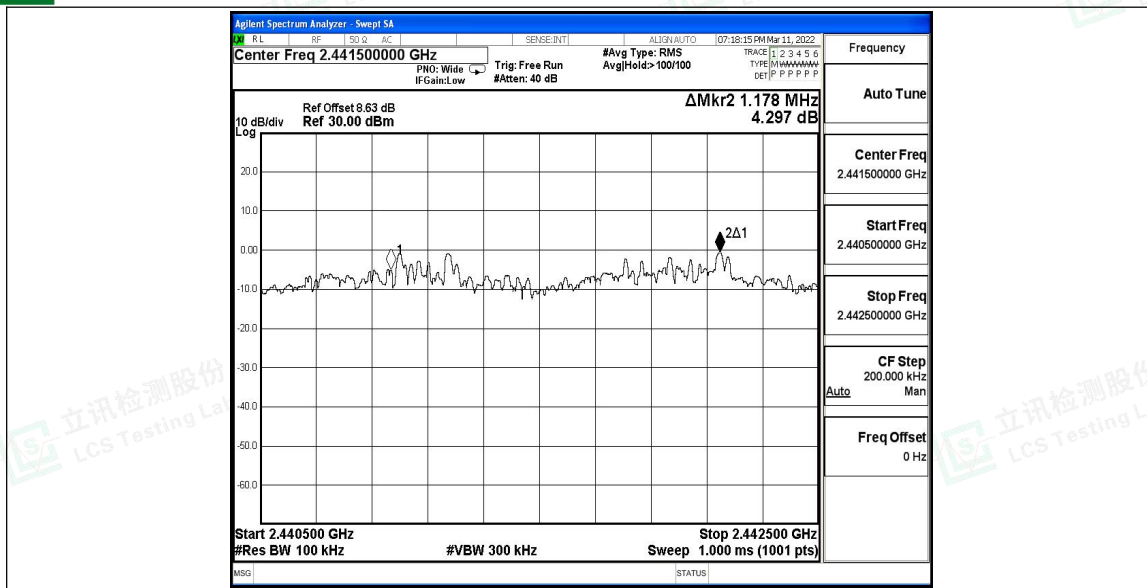


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A.4 Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS



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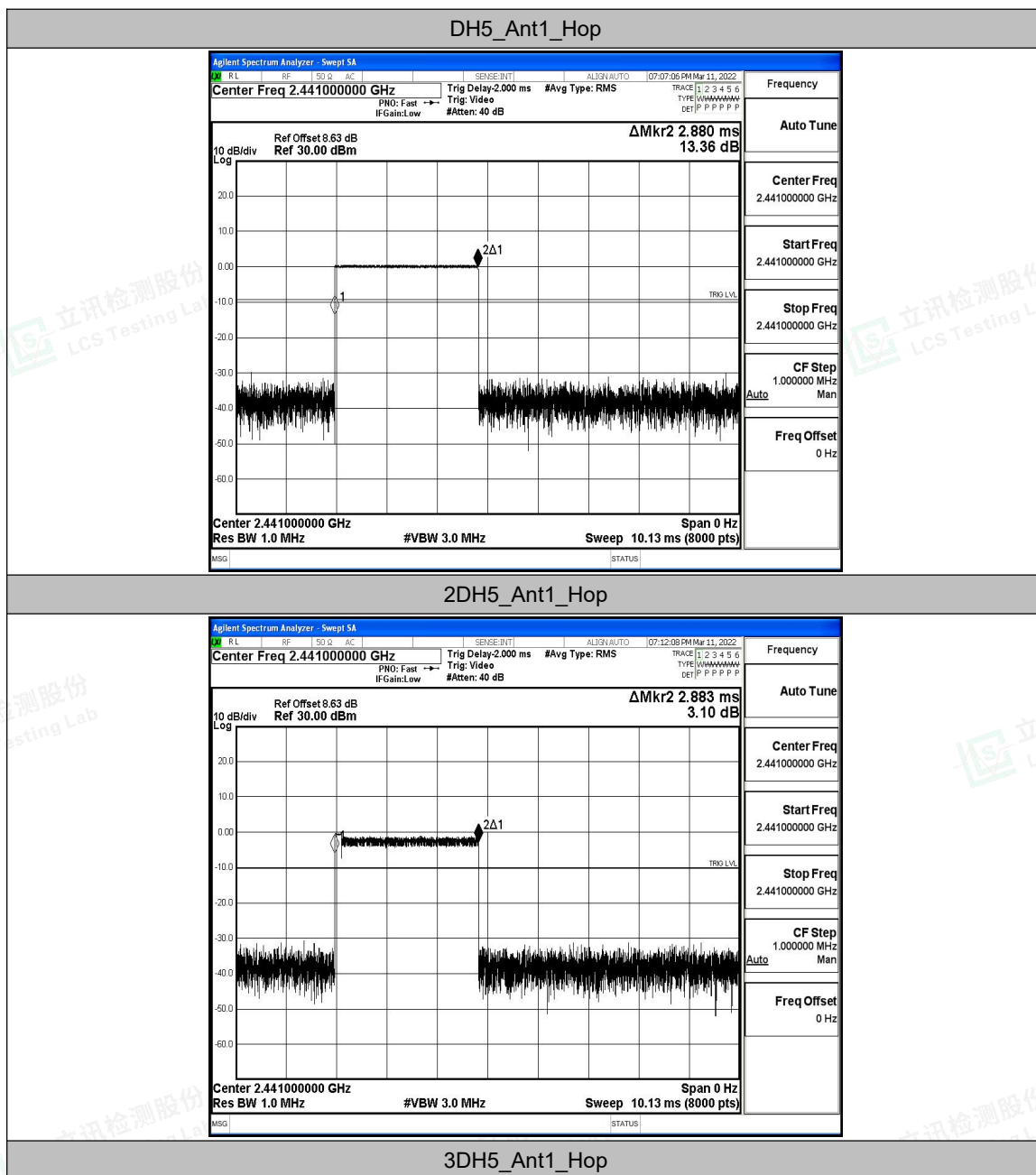
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Test Graphs

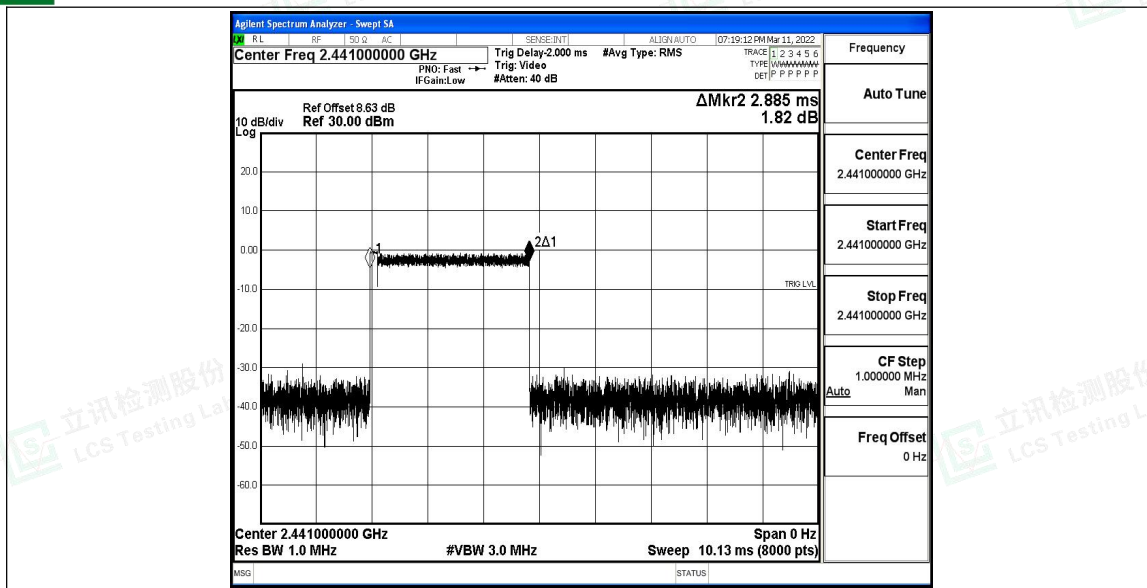


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A.5 Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



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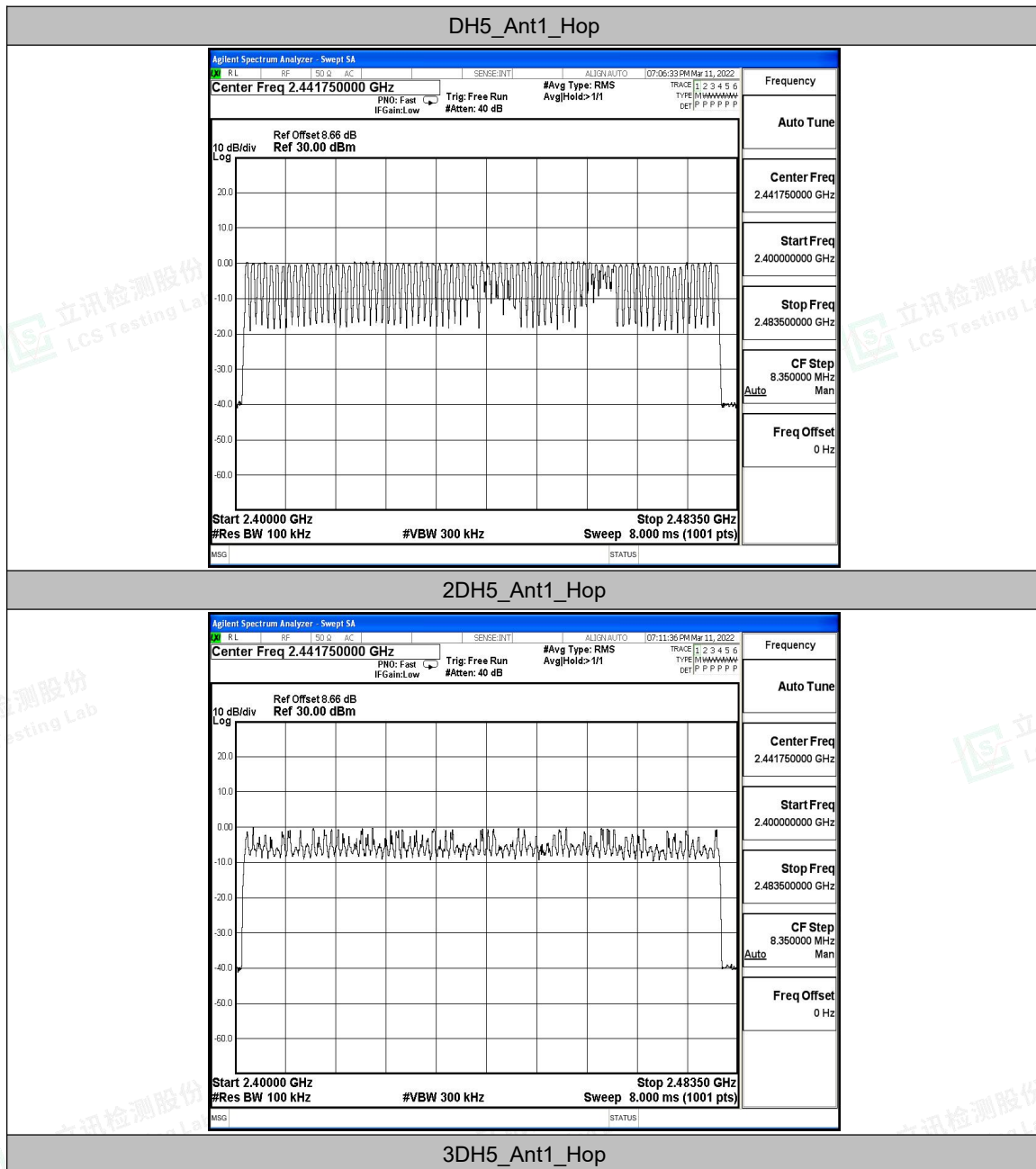
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Test Graphs

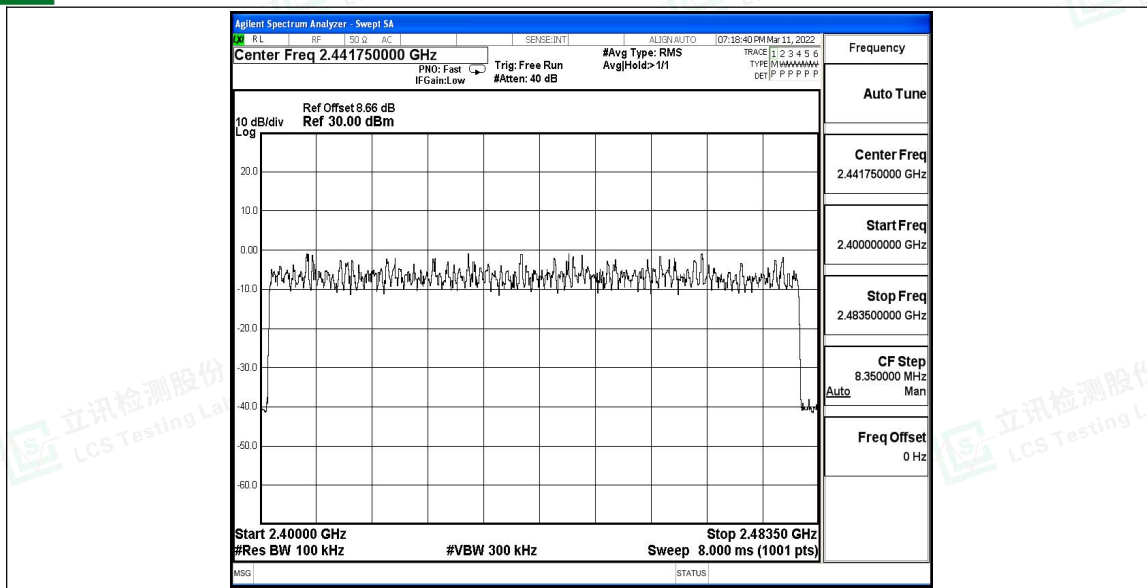


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.04	-57.98	≤ -20.04	PASS
		High	2480	-0.41	-57.38	≤ -20.41	PASS
		Low	Hop_2402	-0.82	-59.03	≤ -20.82	PASS
		High	Hop_2480	-0.22	-56.97	≤ -20.22	PASS
2DH5	Ant1	Low	2402	-3.13	-58.19	≤ -23.13	PASS
		High	2480	-0.92	-57.12	≤ -20.92	PASS
		Low	Hop_2402	-2.32	-59.5	≤ -22.32	PASS
		High	Hop_2480	-4.01	-57.77	≤ -24.01	PASS
3DH5	Ant1	Low	2402	-0.20	-58.58	≤ -20.2	PASS
		High	2480	-0.58	-57.44	≤ -20.58	PASS
		Low	Hop_2402	-1.75	-58.41	≤ -21.75	PASS
		High	Hop_2480	-2.76	-57.31	≤ -22.76	PASS



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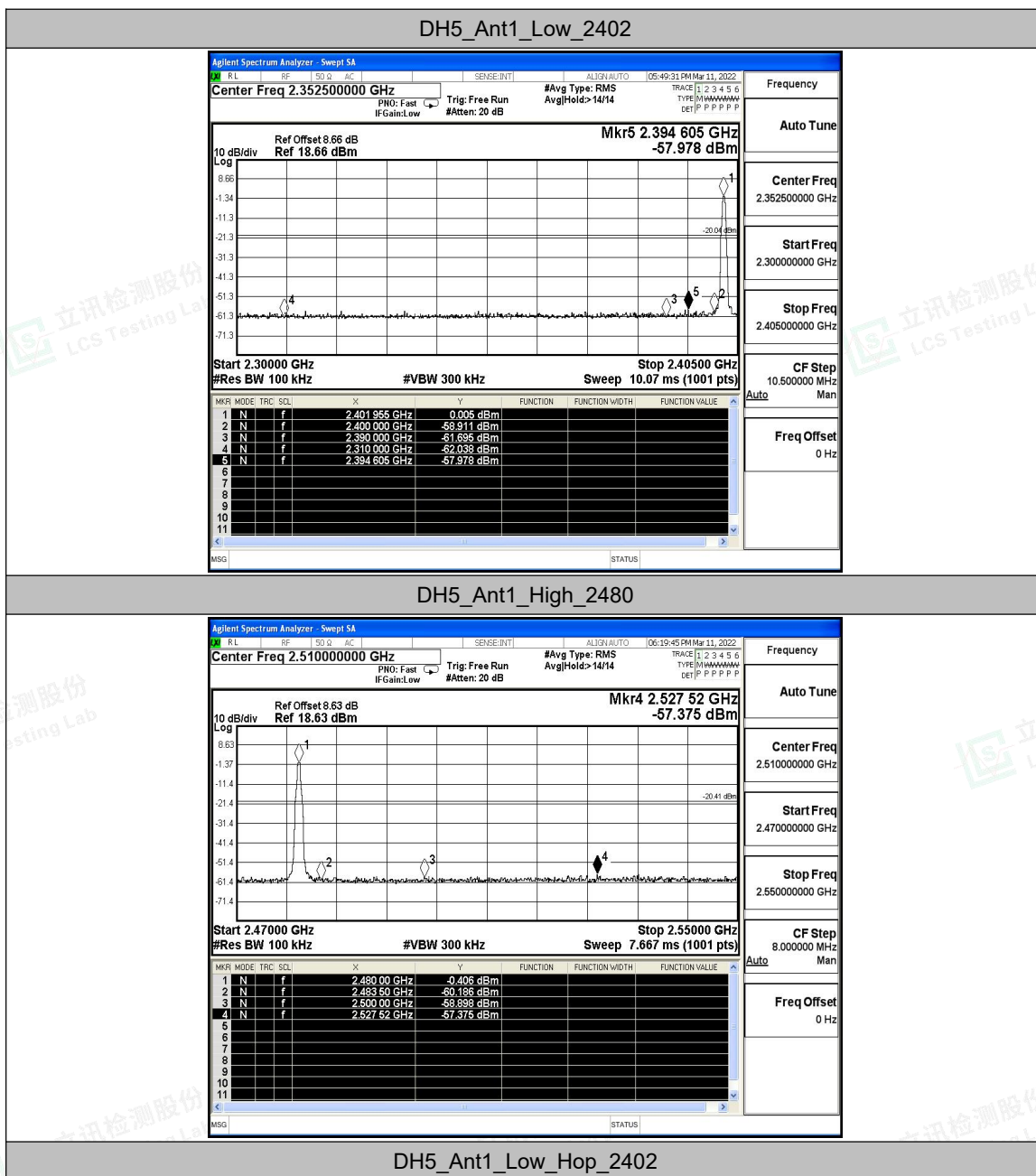
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Test Graphs

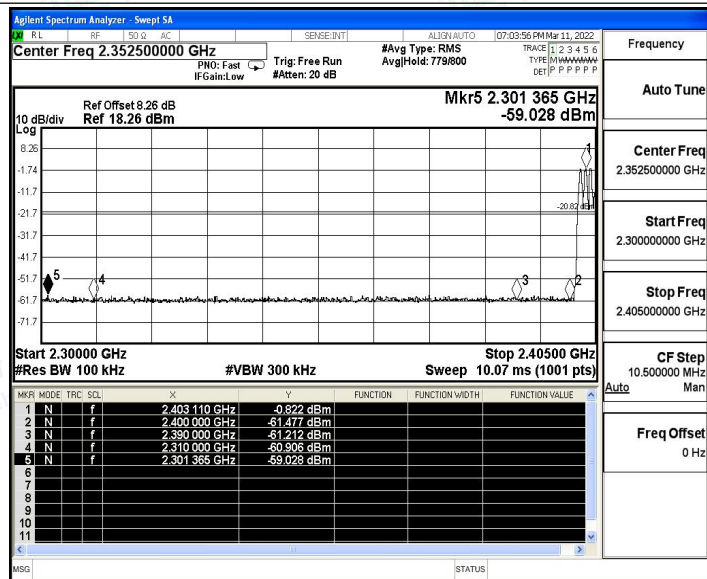


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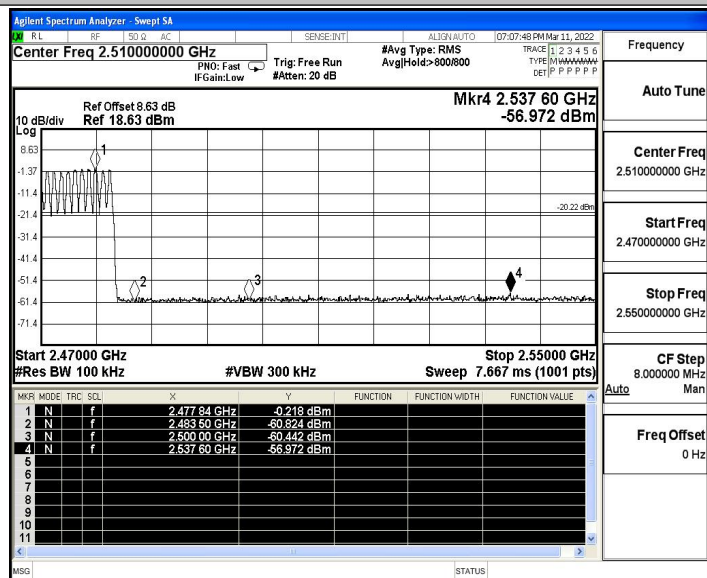
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

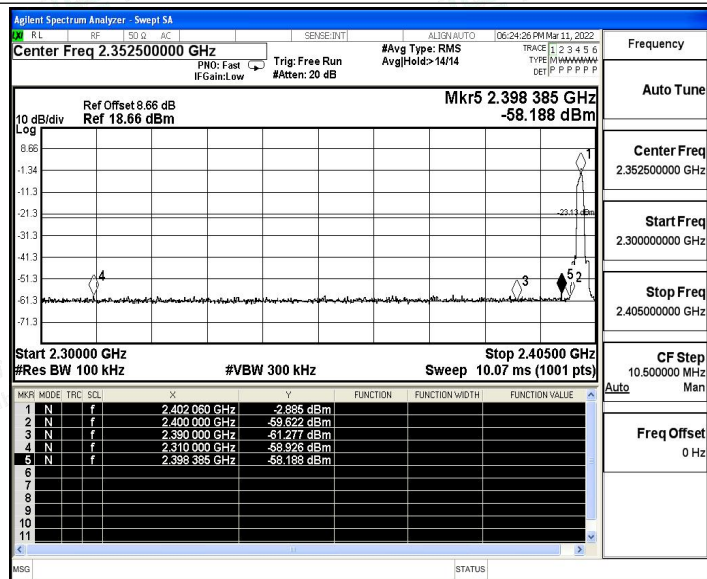


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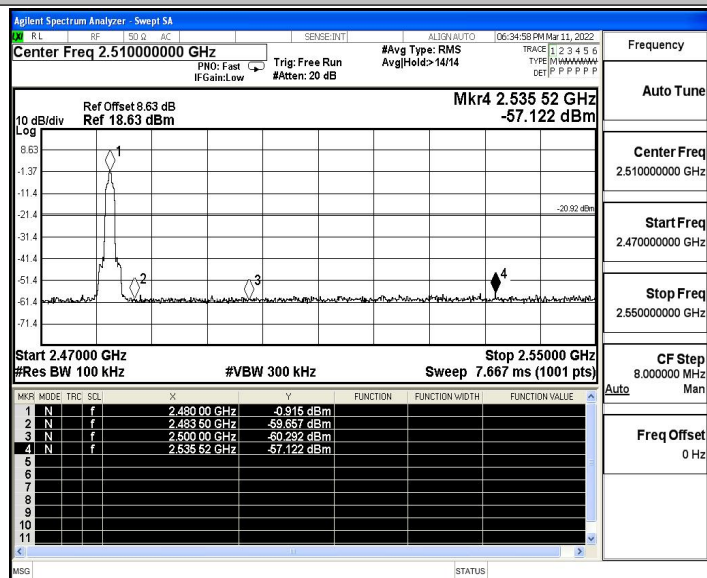
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

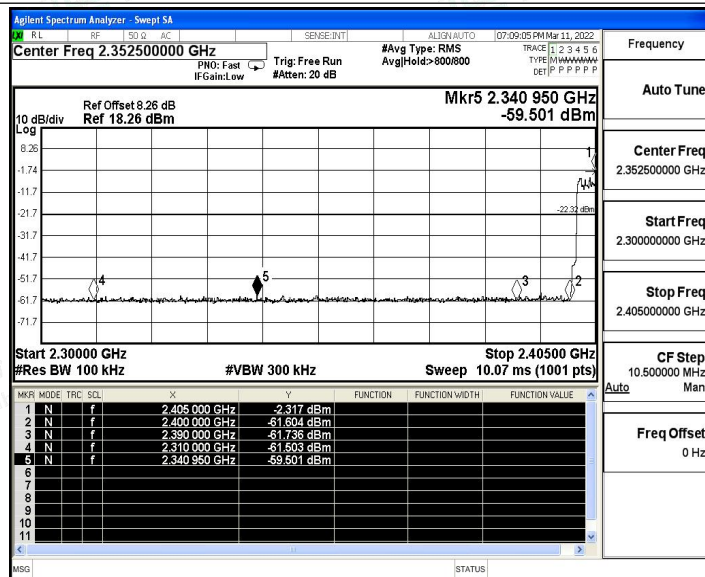


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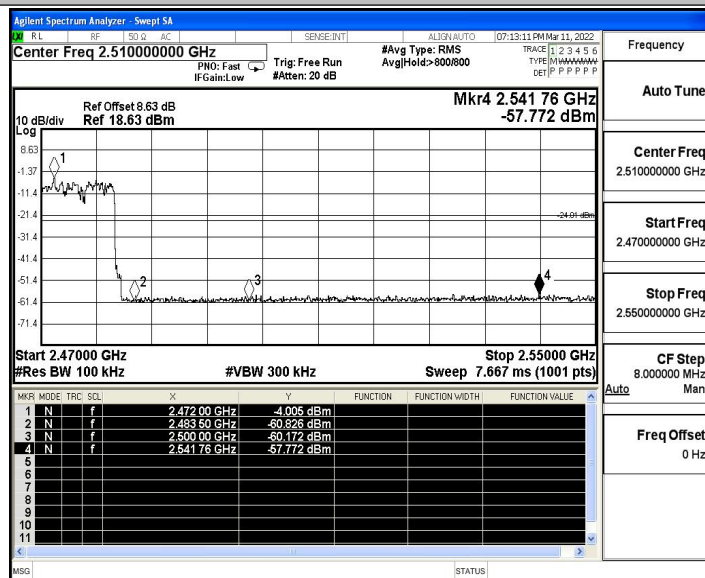
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402



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